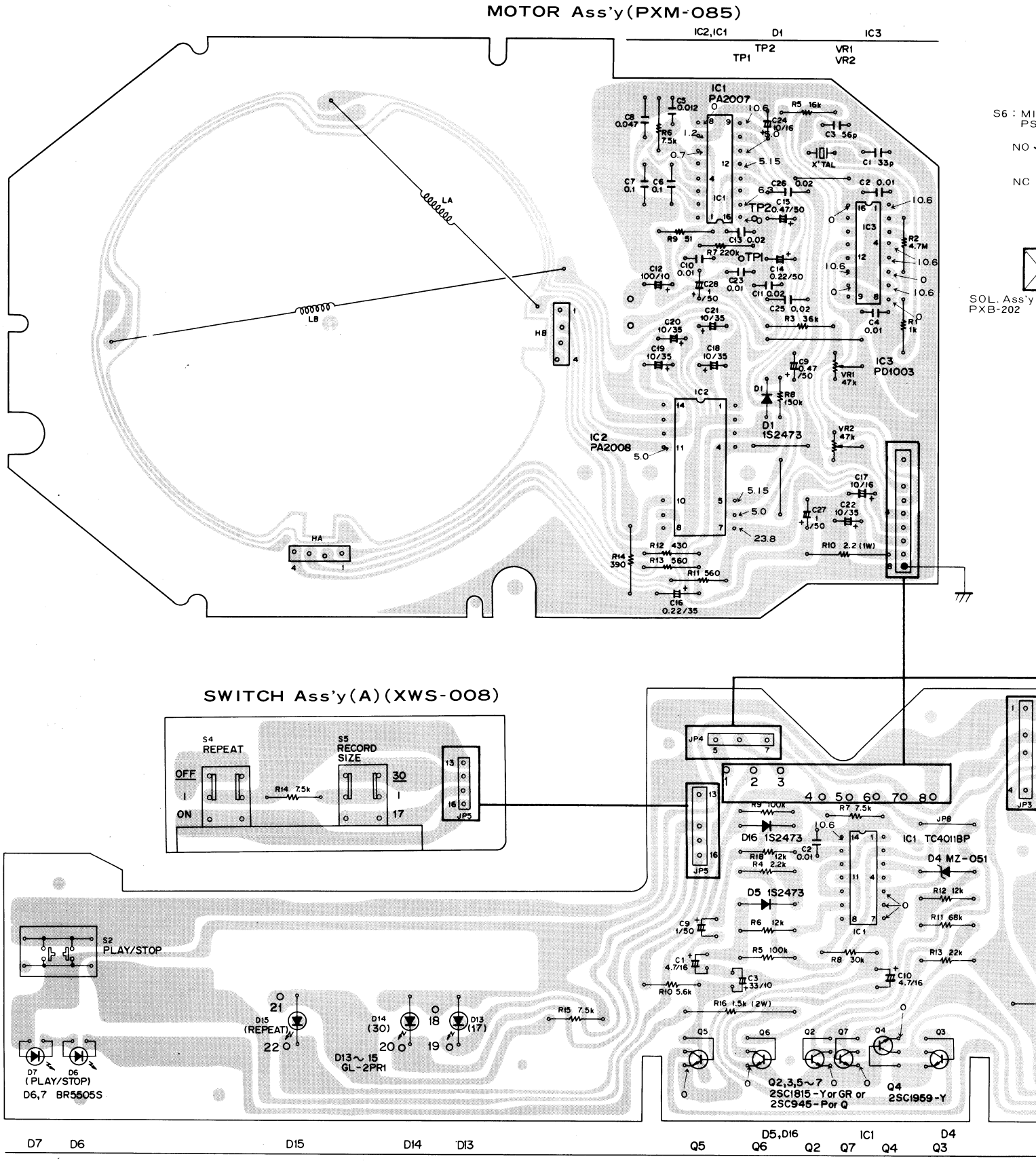
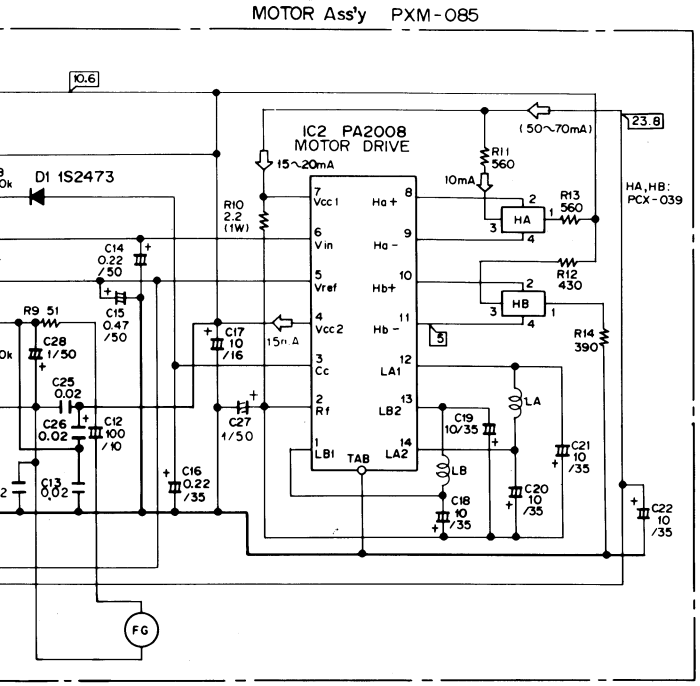
8. SCHEMATIC DIAGRAM, P.C.BOARDS CONNECTION DIAGRAM AND PARTS LIST

8.1 P.C. BOARD CONNECTION DIAGRAM

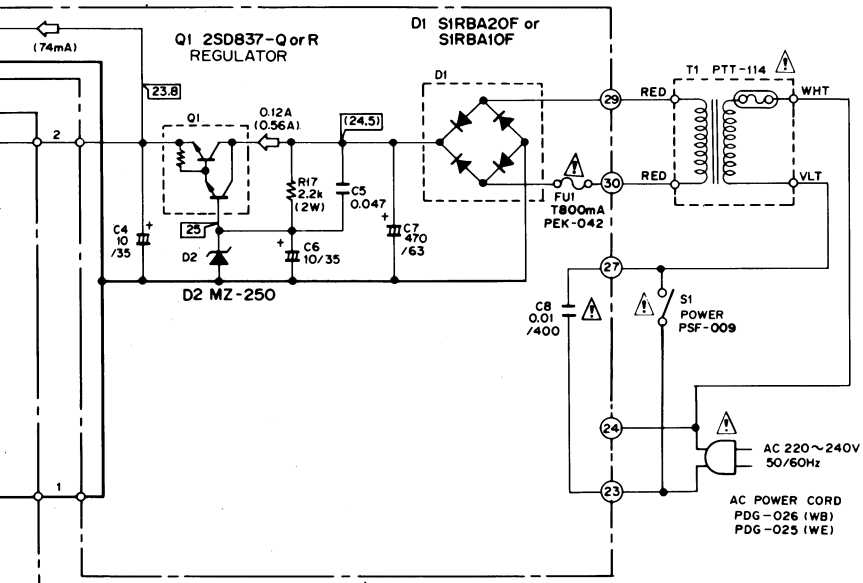




SWITCHES:

S1	POWER	ON - OFF
S2	PLAY/STOP	ON - OFF
S3	SPEED	33 1/3rpm - 45rpm
S4	REPEAT	ON - OFF
S5	RECORD SIZE	30cm - 17cm
S6	MICRO	ON - OFF

The underlined indicates the switch position.



POWER SUPPLY Ass'y XWR-002 ⚠

⇦ mA : DC current at NORMAL OPERATION

1. RESISTORS:
Indicated in Ω, ¼W, ±5% tolerance unless otherwise noted k : kΩ, M : MΩ, (F) : ±1%, (G) : ±2%, (K) : ±10% tolerance

2. CAPACITORS:
Indicated in capacity (μF)/voltage (V) unless otherwise noted p : pF
Indication without voltage is 50V except electrolytic capacitor.

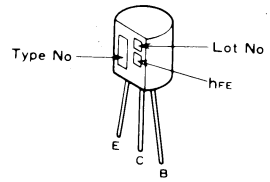
3. VOLTAGE, CURRENT:
▭ : DC voltage (V) at NORMAL OPERATION
Value in ( ) is DC voltage at START & STOP OPERATION

4. OTHERS:
⊘ : Adjusting point.
The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

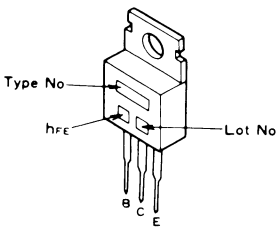
This is the basic schematic diagram, but the actual circuit may vary due to improvements in design.

Appearance of Transistors and ICs

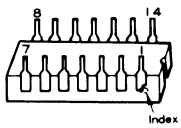
2SC945
2SC1815
2SC1959



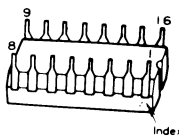
2SD837



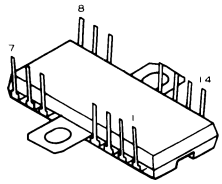
TC4011BP

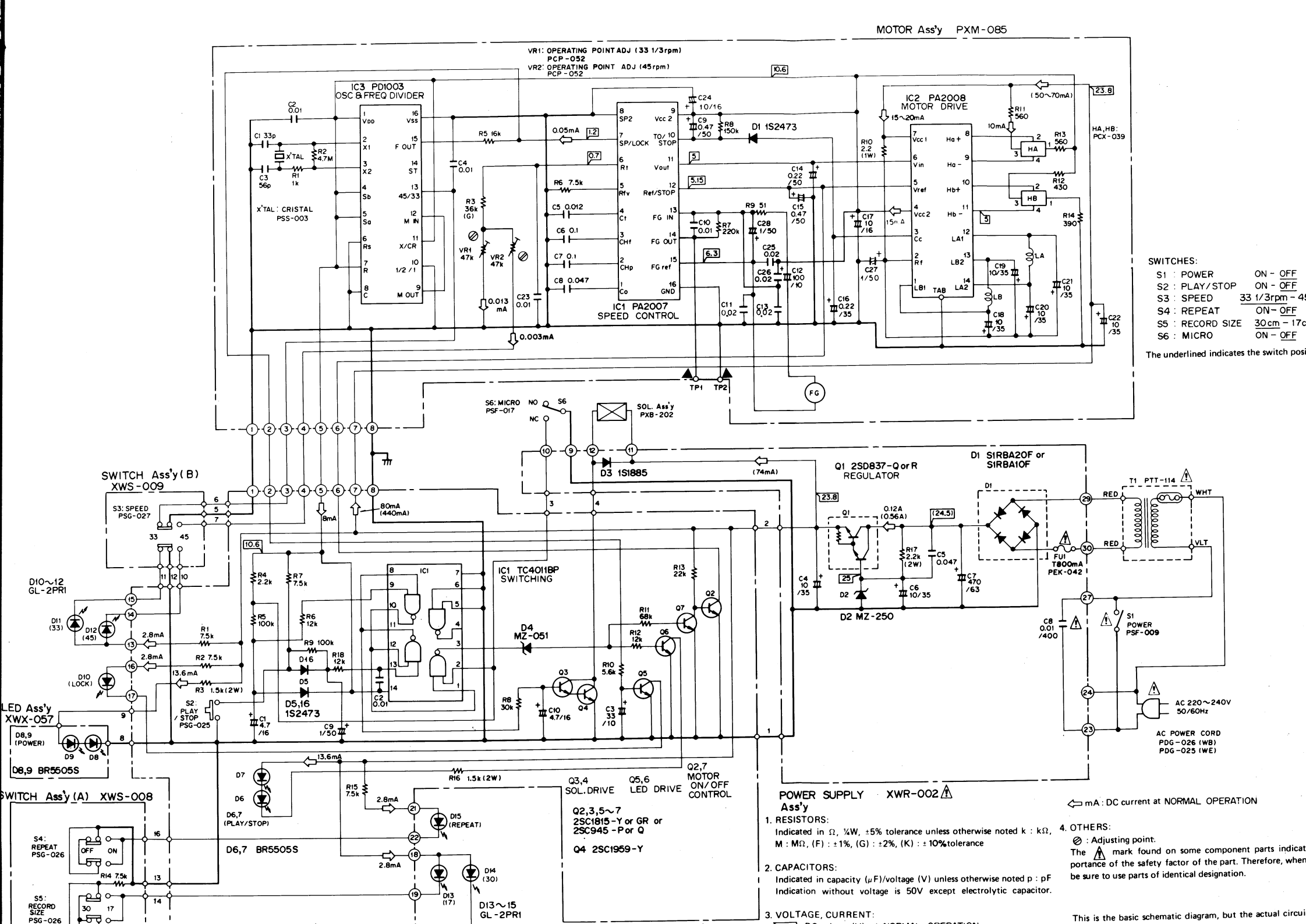


PA2007
PD1003



PA2008




MOTOR Ass'y PXM-085
VR1: OPERATING POINT ADJ (33 1/3rpm) PCP-052
VR2: OPERATING POINT ADJ (45rpm) PCP-052
IC3 PD1003 OSC & FREQ DIVIDER
X'TAL : CRISTAL PSS-003
IC1 PA2007 SPEED CONTROL
IC2 PA2008 MOTOR DRIVE
D1 1S2473
HA,HB: PCX-039
SWITCHES:
S1 : POWER ON - OFF
S2 : PLAY/STOP ON - OFF
S3 : SPEED 33 1/3rpm - 45
S4 : REPEAT ON - OFF
S5 : RECORD SIZE 30cm - 17c
S6 : MICRO ON - OFF
The underlined indicates the switch posi
S6: MICRO PSF-017
SOL. Ass'y PXB-202
D3 1S1885
SWITCH Ass'y (B) XWS-009
S3: SPEED PSG-027
IC1 TC4011BP SWITCHING
D4 MZ-051
Q1 2SD837-Q or R REGULATOR
D1 S1RBA20F or S1RBA10F
D2 MZ-250
T1 PTT-114
FU1 T800mA PEK-042
S1 POWER PSF-009
AC 220~240V 50/60Hz
AC POWER CORD PDG-026 (WB) PDG-025 (WE)
D10~12 GL-2PR1
LED Ass'y XWX-057
D8,9 BR5505S
SWITCH Ass'y (A) XWS-008
S2: PLAY / STOP PSG-025
S4: REPEAT PSG-026
S5: RECORD SIZE PSG-026
D6,7 BR5505S
D13~15 GL-2PR1
Q2,7 MOTOR ON/OFF CONTROL
Q3,4 SOL. DRIVE
Q5,6 LED DRIVE
Q2,3,5~7 2SC1815-Y or GR or 2SC945-P or Q
Q4 2SC1959-Y
POWER SUPPLY Ass'y XWR-002
1. RESISTORS:
Indicated in Ω, ¼W, ±5% tolerance unless otherwise noted k : kΩ, M : MΩ, (F) : ±1%, (G) : ±2%, (K) : ± 10% tolerance
2. CAPACITORS:
Indicated in capacity (μF)/voltage (V) unless otherwise noted p : pF
Indication without voltage is 50V except electrolytic capacitor.
3. VOLTAGE, CURRENT:
mA : DC current at NORMAL OPERATION
4. OTHERS:
⊘ : Adjusting point.
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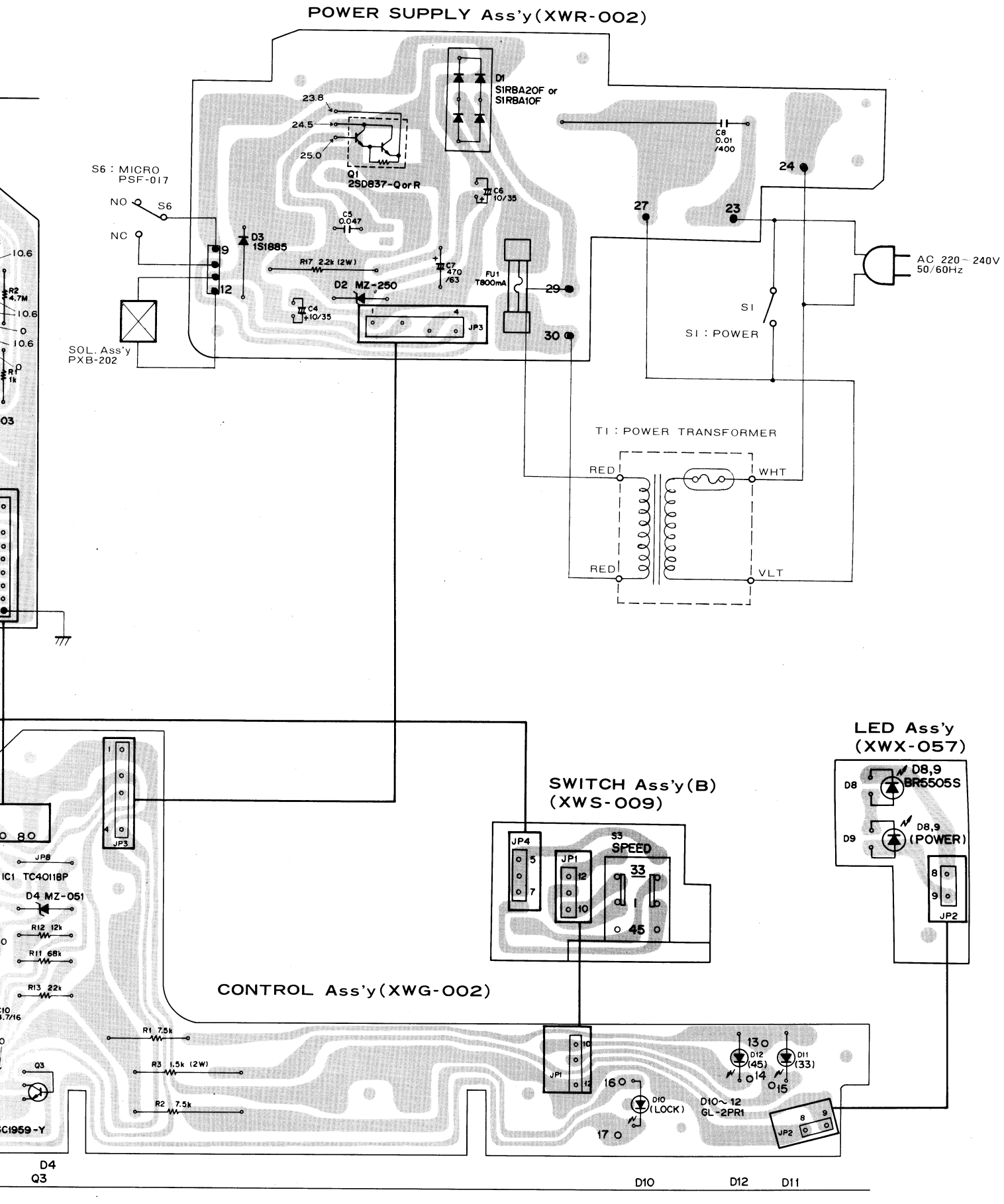
portance of the safety factor of the part. Therefore, when
be sure to use parts of identical designation.
This is the basic schematic diagram, but the actual circui


POWER SUPPLY Ass'y(XWR-002)
D1
S1RBA20F or
S1RBA10F
23.8
24.5
25.0
Q1
2SD837-Q or R
C8
0.01
/400
C6
10/35
S6 : MICRO
PSF-017
NO
S6
NC
C5
0.047
D3
1S1885
R17 2.2k (2W)
C7
470
/63
FU1
T800mA
D2 MZ-250
C4
10/35
JP3
SOL. Ass'y
PXB-202
24
27
23
29
30
AC 220~240V
50/60Hz
SI
SI : POWER
TI : POWER TRANSFORMER
RED
WHT
RED
VLT
LED Ass'y
(XWX-057)
D8,9
BR5505S
D8
D8,9
(POWER)
D9
JP2
SWITCH Ass'y(B)
(XWS-009)
JP4
JP1
S3
SPEED
33
45
CONTROL Ass'y(XWG-002)
IC1 TC4011BP
D4 MZ-051
R12 12k
R11 68k
R13 22k
R1 7.5k
R3 1.5k (2W)
R2 7.5k
Q3
2SC1959-Y
D10
(LOCK)
D10~12
GL-2PR1
D12
(45)
D11
(33)
D4
Q3
D10
D12
D11

8.2 SCHEMATIC DIAGRAM